

## HOLDEN MINE REMEDIATION PROJECT

### Holden Mine Remediation construction update for May 2014:

During the last two weeks in May, 2014, the contractor mobilized equipment and materials to the Holden Mine Remediation site. Crews completed timber cutting work, reconstructed the storm water channel around the barrow area and reintroduced water flows through the wetlands. Final grading started on tailings pile 1, excavation started on tailings pile 2, and preparation of the east waste rock pile for use as a borrow source began. Crews also completed the final grading for the barrier wall platform wing wall east of tailings pile 1 in anticipation of starting the barrier wall construction around June 13.

### Holden Mine Remediation construction update for June 2014:

Throughout the month more construction crew members arrived; now over 155 crew members are on site. The contractor mobilized equipment and materials to the site with barge deliveries occurring about every other day. Two of the largest excavators in North America are now on site and will be utilized to construct the barrier wall along Railroad Creek. Final grading continues on tailings pile 1, excavating is occurring top down on tailings pile 2, and crews are excavating the east waste rock pile for the borrow source. Crews finished the barrier wall platform wing wall east on tailings pile 1 and the slurry plant was mobilized. Slag (material used to construct the barrier wall) was delivered and construction on the Copper Creek barrier wing wall started on June 14.

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#### Holden Mine Remediation June 3-5, 2014



Backfilling the northwest corner of tailings pile 1 following sawdust pile removal



Compacting the northwest corner of tailings pile 1 following sawdust pile removal



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Tractor and disc used to incorporate layer-placed sawdust from Tailings Pile -1 into Tailings Pile -3



Excavation at the toe of the East Waste Rock pile for use as borrow for tailings stabilization



Slurry batch plant and stockpiled materials at tailings pile 1



East Copper Creek diversion entering Railroad Creek



Tailings and sawdust placement on east tailings pile 3



Final grading and temporary cover at northeast tailings pile 1



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## Holden Mine Remediation June 16-19, 2014



Grading at tailings pile 1



Digging the first barrier wall panel at east Copper Creek wing wall. Note the difference in the size of the two machines!



East waste rock pile material used for buttressing the slimes layer on tailings pile 2



Sorting and crushing operations



Tailings pile 1 graded slopes in foreground, east waste rock pile borrow for slimes buttress in the background



Over 155 workers are now on-site



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